Lakes District
At Louisiana State University

CAP 206 Project

US Army Corps of Engineers
New Orleans District

Agenda

- *History*
  - Preliminary Restoration Plan (PRP)
- *Project Authority*
- *Brief Project Description*
- *FY 2005 Actions*
  - Develop Project Management Plan (PMP)
- *Where to Next*
  - Initiate Feasibility (ROE, surveys, etc.)

History

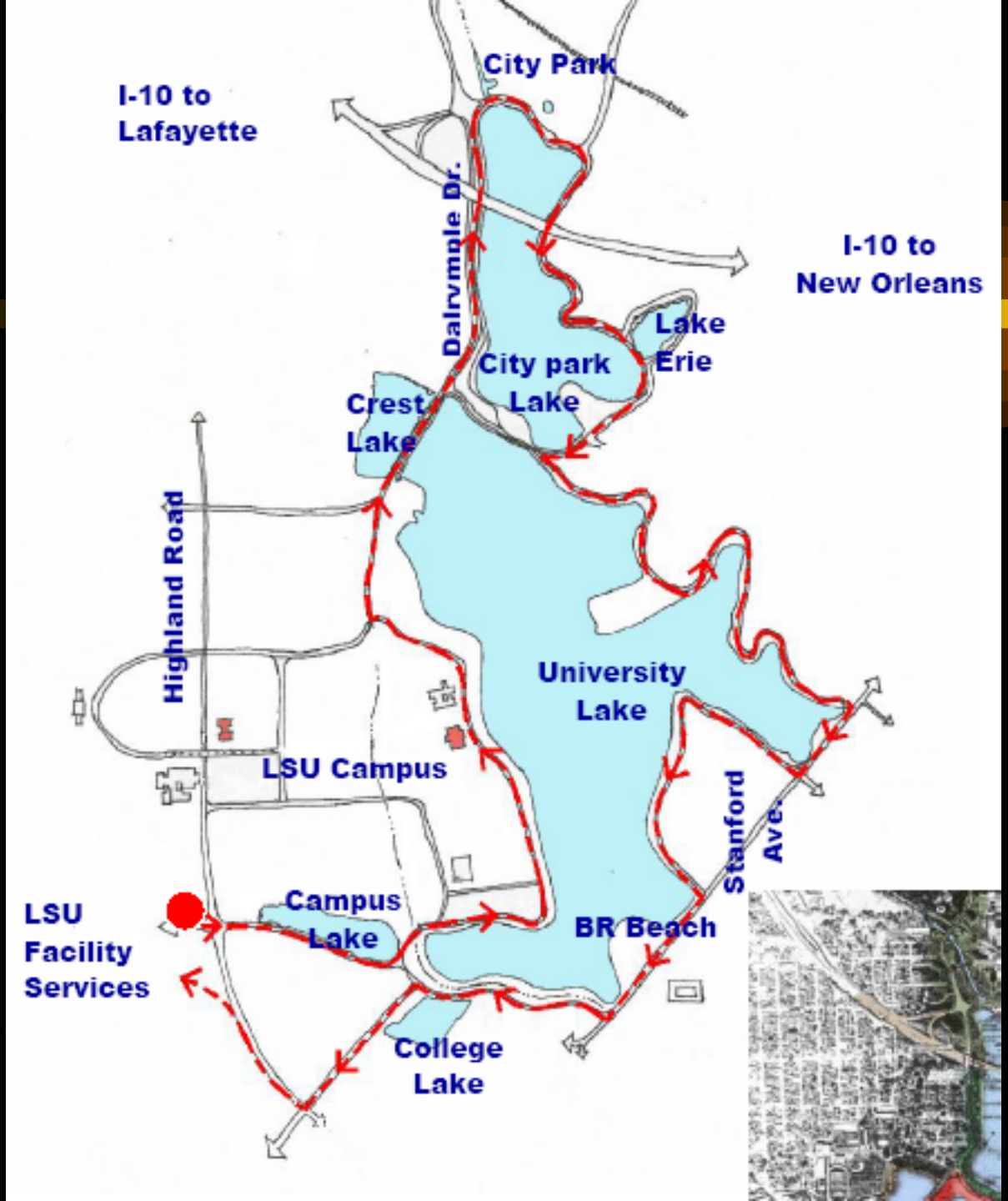
- Meetings held with LSU, Baton Rouge Recreation and Park Commission (BREC), City of Baton Rouge, landowners, & other stakeholders
  - Received Letter of Intent in 2002
  - Discussed Plan of Action
- Formulated Corps team to create Preliminary Restoration Plan (PRP)
  - Held 1 day Charrette with Stakeholders & Corps team to formulate plan
- Submitted PRP to Division in Feb 2004
  - PRP was recently approved
- Stakeholders have been lobbying strong for this project
  - Resulted in a Congressional Ad in FY 2005
- http://www.mvn.usace.army.mil/pd/projectsList/

Project Authority-9 CAP Programs

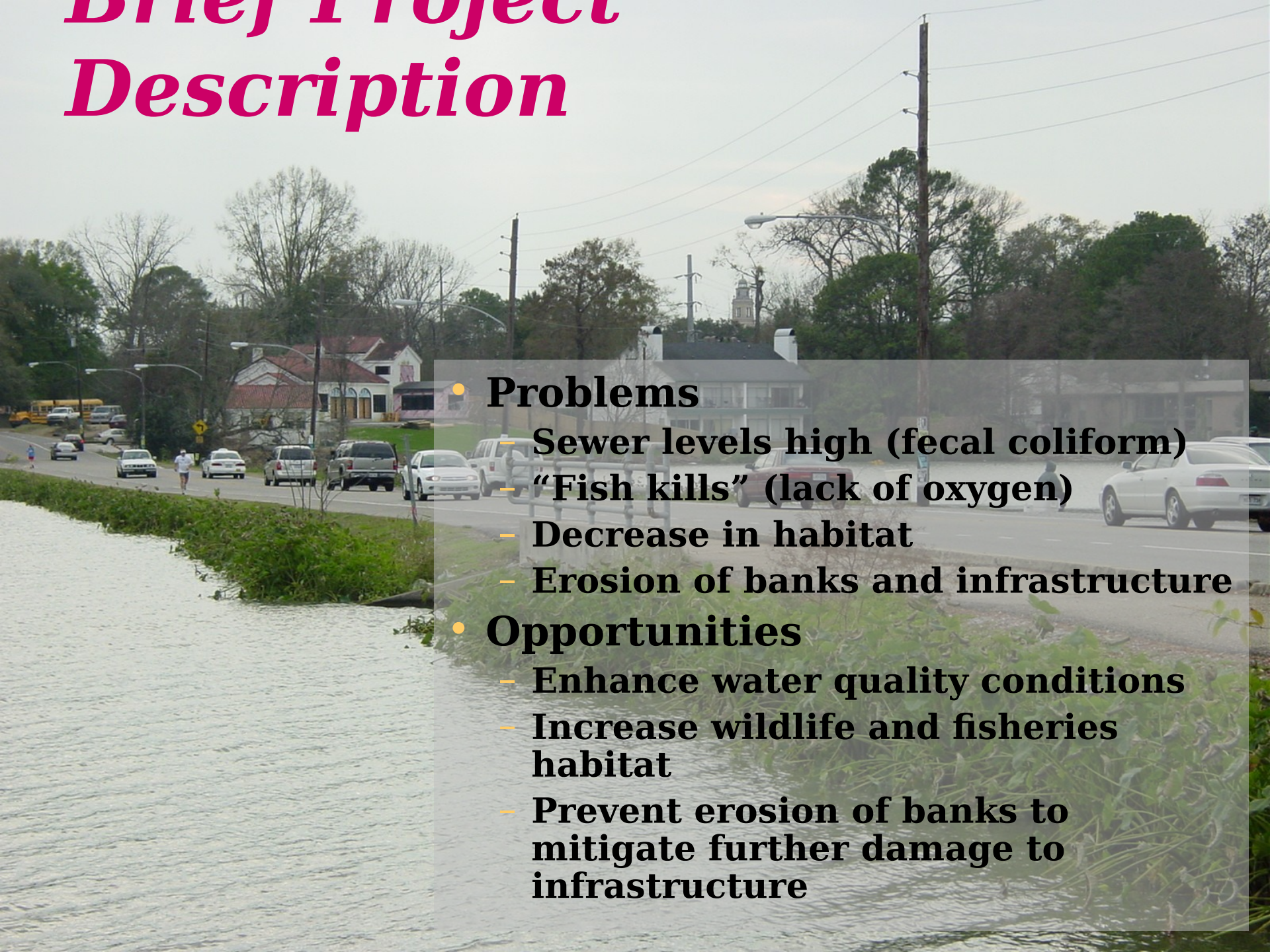
- Section 205 - Flood Control
- Section 14 - Emergency Streambank and Shoreline Protection
- Section 208 - Snagging and Clearing for Flood Control
- Section 107 - Navigation
- Section 103 - Beach Erosion
- Section 111 - Mitigation of Shore Damage Attributable to Navigation Works
- Section 1135 - Project modifications for Improvement to the Environment
- Section 204 - Ecosystem Restoration Projects in

Brief Project Description

- Project Purpose
  - Determine if feasible plans can be developed to enhance estimated 300 acres of existing lakes near LSU
  - 6 Lakes in the entire Lakes District System
    - University Lake
    - Campus Lake
    - College Lake
    - City Park Lake
    - Crest Lake
    - Lake Erie


City Park
I-10 to
Lafayette
Dalrymple Dr.
I-10 to
New Orleans
Lake
Erie
City park
Lake
Crest
Lake
Highland Road
University
Lake
LSU Campus
Stanford
Ave.
LSU
Facility
Services
Campus
Lake
BR Beach
College
Lake

Brief Project Description



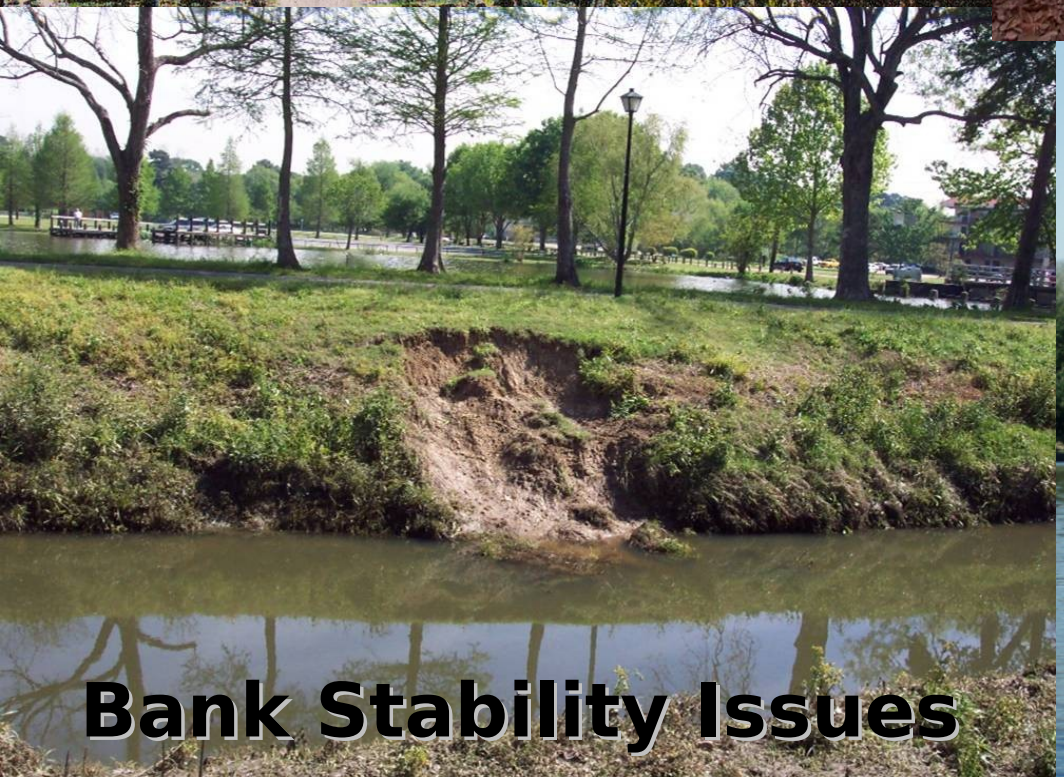
- **Problems**
  - **Sewer levels high (fecal coliform)**
  - **“Fish kills” (lack of oxygen)**
  - **Decrease in habitat**
  - **Erosion of banks and infrastructure**
- **Opportunities**
  - **Enhance water quality conditions**
  - **Increase wildlife and fisheries habitat**
  - **Prevent erosion of banks to mitigate further damage to infrastructure**

Brief Project Description

- **Possible Recommendations**
  - Increase water depths
  - Use aeration to increase dissolved oxygen
  - Manage sediment
  - Stump removal from bottom of lakes
  - Convert portions of lakes to swamp
  - H&H modifications (limiting inflow, manipulate water levels)
  - Beneficial use of dredged material
  - Investigate runoff from I-10
  - Investigate Sanitary Sewer I&I

Safety Pinch-Points

Excessive Sediment Build Up



Bank Stability Issues

Cypress Tree Stumps Along Lake Bottoms

FY 2005 Actions

- PMP Development
  - Describe work effort in detail
    - **What** specific task you will need to complete?
    - **Why** it's necessary that you do that task in relation to the entire project?
    - **Who** will complete the task?
    - **When** is it necessary to start work?
    - **How** specifically you plan to complete the necessary task?
    - **Duration and Cost** associated with each task?
  - The more detailed, the better

PROJECT MANAGEMENT PLAN

REAL ESTATE DIVISION

Local Sponsor Acquisition Branch (RE-L) &
Appraisal and Planning Branch (RE-E)
Organization Codes: B2N0100 & B2N0200

What: Real Estate Obtain Right of Entry. Secure rights of entry to perform surveys, HTRW studies, environmental assessments, and cultural resource investigations.

Why: To provide legal access to sites for collecting data relative to each activity.

Who: B2N0100 GS-11 Realty Specialist
B2N0100 GS-12 Attorney
B2N0200 GS-09 Realty Specialist

When: As requested.

How: Tract Ownership Data (TOD) will be obtained from existing information, courthouse research, and/or through a TOD contract. Realty Specialist will send right-of-entry permits to the affected landowners for their signature and make follow-up contact as required. Once these are obtained, Real Estate Division then notifies the requesting district element that right of entry is available.

Time and Cost:

B2N0100 GS-11 Realty Specialist	20 man-days @ $600/man-day =	$ 12,000
B2N0100 GS-12 Attorney	2.5 man-days @ $680/man-day =	$ 1,700
B2N0200 GS-09 Realty Specialist	15 days @ $480/man-day =	$ 7,200
TOD contract		$7,000
	Total:	$27,900

Duration: 60 calendar days

NOTE: This estimate is based on obtaining ownership information through a contractor and obtaining permits from 50 ownerships. If the non-Federal sponsor can provide ownership information, it would reduce the cost by approximately $14,000. If the number of ownerships is less than 50, this would also reduce this cost.

Where to Next

- Call to Action
  - PMP input from each Division
  - Request FTL's collect and submit their appropriate sections to **Kasey Couture, x. 1556**
  - Suspense: NLT **May 11, 2005**
- Upon completion of PMP → Begin Feasibility
  - ROE, Surveys, etc.